

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001120

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06F17/00 A61B5/0488

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, COMPENDEX, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MCKEOWN M J ET AL: "Phasic and tonic coupling between EEG and EMG demonstrated with independent component analysis" JOURNAL OF CLINICAL NEUROPHYSIOLOGY 2001 UNITED STATES, vol. 18, no. 1, 2001, pages 45-57, XP008032594 ISSN: 0736-0258	1,3,4, 10,12,13
Y	* Independent Component Analysis p. 47 * * Data Collection p. 48 - 49 * page 55, right-hand column, line 37 - line 52  ----- -/--	5,14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

8 July 2004

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26/08/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CICHOCKI ANDRZEJ ET AL: "Blind separation and filtering using state space models"            PROC IEEE INT SYMP CIRCUITS SYST;            PROCEEDINGS - IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS 1999 IEEE,            PISCATAWAY, NJ, USA,            vol. 5, 1999, pages V78-V81, XP002287269            * Abstract *            * 1. Introduction p. V-78 *            * 2. Linear Demixing State Space Models p. V-78 - V-79 *</p>	5,14
X	<p>-----            AZZERBONI B, FINOCCHIO G, IPSALE M, LA FORESTA F, MORABITO FC: "A New Approach to Detection of Muscle Activation by Independent Component Analysis and Wavelet Transform"            LECTURE NOTES IN COMPUTER SCIENCE, NEURAL NETS-13TH ITALIAN WORKSHOP ON NEURAL NETS, WIRN VIETRI 2002,            vol. 2486, June 2002 (2002-06), pages 109-116, XP002287268            SPRINGER-VERLAG BERLIN HEIDELBERG            ISSN: 0302-9743            * Abstract *            * 3. Surface EMG Processing p. 111-112 *</p>	1,3,4, 10,12,13
X	<p>-----            WO 02/096288 A (REPRODUCTIVE HEALTH TECHNOLOGI) 5 December 2002 (2002-12-05)            cited in the application            page 4, line 19 - line 23            page 13, line 3 - line 29            page 26, line 15 - line 23</p>	1,8-10, 17,18
X	<p>-----            US 5 483 970 A (ROSENBERG ETHAN)            16 January 1996 (1996-01-16)            column 6, line 30 - column 7, line 58            column 9, line 44 - column 10, line 6;            figures 1e,1f            -----</p>	1,2,6-8, 10,11, 15-17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/GB2004/001120

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US 5483970	A	16-01-1996	US 5301680 A	12-04-1994
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			WO 9413202 A1	23-06-1994